

5'	9	18	27	36	45	54
CAA	CTC	TNN	TAC	GAT	CAC	TAT
AGG	GAA	AGC	TGG	TAG	CCT	GCA
GGT	ACC	GGT	CCG			
63	72	81	90	99	108	
GAA	TTC	CCG	GGT	CGA	CCC	ACG
CGT	CCG	AGC	GGA	TCC	ACC	AGC
TTT	ATG	AAA	CTG			
M	K	L				
117	126	135	144	153	162	
AAC	ACA	AGT	GCC	GGC	AAT	GTC
GAT	ATC	TAT	AAA	AAA	CTG	TAC
CAC	AGT	GAT	GCC			
N	T	S	A	G	N	V
D	I	Y	K	K	L	Y
H	S	D	A			
171	180	189	198	207	216	
TGT	TCT	TCA	AAA	GCA	GTG	GTT
TCT	TTA	CGC	TGT	ATA	GCC	TGC
GGG	GTC	AAC	TTG			
C	S	S	K	A	V	V
S	L	R	C	I	A	C
G	V	N	L			
225	234	243	252	261	270	
AAC	TCA	AGC	CGC	CAG	AGG	ATC
GTG	GGC	GGC	GAG	AGC	GCG	CTC
CCG	GGG	GCC				
N	S	S	R	Q	S	R
I	V	G	G	E	S	A
L	P	G	A			
279	288	297	306	315	324	
TGG	CCC	TGG	CAG	GTC	AGC	CTG
CAC	GTC	CAG	AAC	GTC	CAC	GTG
CTG	C	G	V	V	C	G
W	P	W	Q	V	S	L
H	V	Q	N	V	H	V
333	342	351	360	369	378	
ATC	ATC	ACC	CCC	GAG	TGG	ATC
GTG	ACA	GCC	GCC	CAC	TGC	GTG
GAA	AAA	CCT	CTT			
I	I	T	P	E	W	I
V	T	A	A	H	C	V
E	K	P	L			
387	396	405	414	423	432	
AAC	AAT	CCA	TGG	CAT	TGG	ACG
GCA	TTT	GCG	GGG	ATT	TTG	AGA
CAA	TCT	TTC	ATG			
N	N	P	W	H	W	T
A	F	A	G	I	L	R
Q	S	F	M			
441	450	459	468	477	486	
TTC	TAT	GGA	GCC	GGA	TAC	CAA
GTA	GAA	AAA	GTG	ATT	TCT	CAT
CCA	AAT	TAT	GAC			
F	Y	G	A	G	Y	Q
V	E	K	V	I	S	H
P	N	Y	D			
495	504	513	522	531	540	
TCC	AAG	ACC	AAG	AAC	AAT	GAC
ATT	GCG	CTG	ATG	AAG	CTG	CAG
AAG	CCT	CTG	ACT			
S	K	T	K	N	N	D
I	A	L	M	K	L	Q
K	P	L	T			
549	558	567	576	585	594	
TTC	AAC	GAC	CTA	GTG	AAA	CCA
GTG	CCG	CTG	CCC	AAC	CCA	GCG
ATG	ATG	CTG	CAG			
F	N	D	L	V	K	P
V	C	L	P	N	P	G
M	M	L	Q			
603	612	621	630	639	648	
CCA	GAA	CAG	CTC	TGC	TGG	ATT
TCC	GGG	TGG	GGG	GCC	ACC	GAG
GAG	GAG	AAA	GGG	AAG		
P	E	Q	L	C	W	I
S	G	W	G	A	T	E
E	K	G	K			

FIGURE 1A

		657			666			675			684			693			702
ACC	TCA	GAA	GTG	CTG	AAC	GCT	GCC	AAG	GTG	CTT	CTC	ATT	GAG	ACA	CAG	AGA	TGC
T	S	E	V	L	N	A	A	K	V	L	L	I	E	T	Q	R	C
		711			720			729			738			747			756
AAC	AGC	AGA	TAT	GTC	TAT	GAC	AAC	CTG	ATC	ACA	CCA	GCC	ATG	ATC	TGT	GCC	GGC
N	S	R	Y	V	Y	D	N	L	I	T	P	A	M	I	C	A	G
		765			774			783			792			801			810
TTC	CTG	CAG	GGG	AAC	GTC	GAT	TCT	TGC	CAG	GGT	GAC	AGT	GGA	GGG	CNT	CTG	GTC
F	L	Q	G	N	V	D	S	C	Q	G	D	S	G	G	X	L	V
		819			828			837			846			855			864
ACT	TCG	AAG	AAC	AAT	ATC	TGG	TGG	CTG	ATA	GGG	GAT	ACA	AGC	TGG	GGT	TCT	GGC
T	S	K	N	N	I	W	W	L	I	G	D	T	S	W	G	S	G
		873			882			891			900			909			918
TGT	GCC	AAA	GCT	TAC	AGA	CCA	GGA	GTG	TAC	GGG	AAT	GTG	ATG	GTA	TTC	ACG	GAC
C	A	K	A	Y	R	P	G	V	Y	G	N	V	M	V	F	T	D
		927			936			945			954			963			972
TGG	ATT	TAT	CGA	CAA	ATG	AGG	GCA	GAC	GGC	TAA	TCC	ACA	TGG	TCT	TCG	TCC	TTG
W	I	Y	R	Q	M	R	A	D	G	*							
		981			990			999			1008			1017			1026
ACG	TCG	TTT	TAC	AAG	AAA	ACA	ATG	GGG	CTG	GTT	TTG	CTT	CCC	CGT	GCA	TGA	TTT
		1035			1044			1053			1062			1071			
ACT	CTT	AGA	GAT	GAT	TCA	GAG	GTC	ACT	TCA	TTT	TTA	TTA	AAC	AGT	GAA	CT	3'

FIGURE 1B

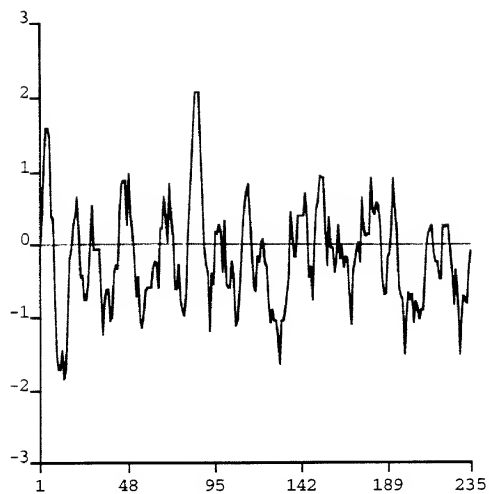


FIGURE 3

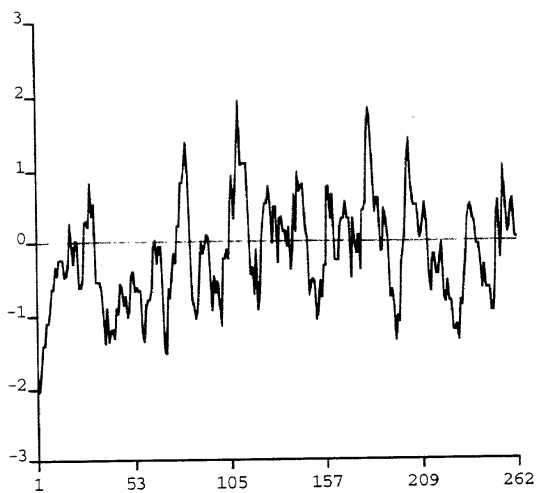


FIGURE 4